| Index of Claims  |          |        |          |    |  |          |                             |          |          | A        | ppli   | cati | ioi  | n/Contro | ol No | Applicant(s)/Patent under Reexamination |        |          |          |          |        |    |          |          |     |          |
|--|----------|--------|----------|----|--|----------|-----------------------------|----------|----------|----------|--|------|--|----------|-------|---|--------|----------|----------|----------|--------|----|----------|----------|-----|----------|
|  |          |        |          |    |  |          |                             |          |          |          |  | 1    | 0/69   | 4,1      | 144   | 4                                       |        |          |          | ES       | TR     | OP | . s      | TER      | PHE | N J.     |
|  |          |        |          |    |  |          |                             |          |          | -        | Examiner  Joni Hsu                               |      |  |          |       |   |        |          |          | Art Unit |        |    |          |          |     |          |
| 1 100,00 110,11 04110 01111 10111 01011 11011 01011 0101 11011 |          |        |          |    |  |          |                             |          | J        |          |  |      |  |          |       |   |        |          |          |          |        |    |          |          |     |          |
|  |          |        |          |    |  |          |                             |          |          |          |  |      | _  | _        | _     |   |        | _        | _        |          |        |    |          |          |     |          |
| √ Rejected – (TI   |          |        |          |    |  |          | hrough numeral<br>Cancelled |          |          |          |  | 1    | ı  | Non-Ele  |       | A                                       | Appeal |          |          |          |        |    |          |          |     |          |
| = Allowed  |          |        |          |    |  | ÷        |                             | Re       | cted     |          |  | ı    | I Interference                                   |          |       |   |        | Objected |          |          |        |    |          |          |     |          |
|  |          | ш      |          |    |  |          |                             |          |          |          |  |      |  | _        |       |   |        |          |          |          |        |    |          |          |     |          |
| Cla  | _        |        |          |    | Date   |          |                             |          | CI       | aim      |  | Da   | te   |          |       |   | Claim  | L,       | Date     |          |        |    |          |          | ]   |          |
| Final  | Original | SQ1818 |          |    |  |          |                             |          | Final    | Original |  |      |  |          |       |   | 100    | Original |          |          |        |    |          |          |     |          |
| 1  |          | V      | 1        | +  | I = I  | 1_       |                             |          |          | 51       |  |      |  | T        | T     |   |        | 101      |          |          | $\top$ |    |          |          |     | <u> </u> |
|  | 2        |        |          |    |  |          |                             |          |          | 52       |  |      |  | I        | Ι     |   |        | 102      |          |          |        |    | Ш        |          |     | ]        |
|  | 3        | Ц      |          | 4- | Ш.   | _ _      | Ш                           |          |          | 53       | $\sqcup \bot$                                    |      |  | _        | 4     | $\perp \perp \perp$                     | _      | 103      | $\sqcup$ |          |        | _  | Ш        | $\perp$  | _   |          |
|  | 4        |        | _        | 4  | $\sqcup$   |          | $\sqcup$                    |          |          | 54       |  |      | $\vdash$   | _        | 4     | +                                       | _      | 104      | 4        |          |        | 1  | $\sqcup$ | -        |     | ļ        |
| _  | 5        | ¥      |          | +  | $\vdash$   | -        | $\vdash$                    | _        | <u> </u> | 55       | ╌  |      |  | +        | +     | ++                                      | -      | 105      | $\vdash$ | -        | +      | ╁  | $\vdash$ | +        | - - | -        |
|  | <u>6</u> | Н      |          | ┿  | <del>                                     </del> | +-       | $\vdash$                    | -        |          | 56<br>57 | ├  |      | $\vdash$   | +        | +     | +++                                     | -      | 106      | +        | -        | +      | +  | $\vdash$ |          | -   | 1        |
|  | 8        | Н      |          | ╫  | ╁═╁  | +        | $\vdash$                    | $\dashv$ | -        | 58       | ├─├-   | +-   | <del>                                     </del> |          | +     | ++                                      | -      | 107      | +        |          | +      | +- | $\vdash$ | $\vdash$ | ╁   | 1        |
|  |          | Н      |          | +  | ╁┼   | $\dashv$ | H                           | $\dashv$ | -        | 59       | <del>                                     </del> | +    | <del> </del>                                     | +-       | +     | 1-1-1                                   |        | 109      | $\vdash$ | -        | +      | +  | $\vdash$ | $\vdash$ | +   | 1        |
| J  | 9        |        |          |    |  |          |                             |          |          |          |  |      |  |          |       |   |        |          |          |          |        |    |          |          |     |          |
| $\dashv$   | 9<br>10  | Н      | $\dashv$ | +  | $\vdash$   | +-       | $\dagger \dagger$           | _        |          | 60       |  | 一    |  | _        | 1     |   |        | 110      |          |          |        |    |          |          |     | ]        |

| Final    | Original | SQ1818   |               |  |  |          |  |          |                 |          | Final    | Original |          |                |           |                    |          |        |        |          |   | Final | Original |          |        |    |          |        |        |           |          |           |
|----------|----------|--|---------------|--|--|----------|--|----------|-----------------|----------|----------|----------|----------|----------------|-----------|--------------------|----------|--------|--------|----------|---|-------|----------|----------|--------|----|----------|--------|--------|-----------|----------|-----------|
|          | 1        | $\nabla$   |               |  |  |          |  |          | $\neg$          | ٦.       |          | 51       |          | $\neg$         | 7         | $\top$             | $\neg$   |        |        |          |   |       | 101      | $\neg$   | $\neg$ |    |          | 一      | $\neg$ | $\exists$ | Т        | 7         |
|          | 2        | T  |               | -  | П  |          |  |          |                 | 7        |          | 52       |          | $\neg$         | $\top$    | $\top$             |          | 1      |        |          |   |       | 102      |          |        |    |          |        |        |           | T        | 7         |
|          | 3        | H  | П             |  | П  |          |  |          | $\neg$          | _        |          | 53       | П        | ┪              | 寸         | 十                  | _        |        | 1      |          |   |       | 103      | $\neg$   | コ      |    |          | $\neg$ |        | ヿ         | 十        | 7         |
|          | 4        | Ť  |               |  |  |          |  |          | $\neg$          | 7        |          | 54       |          |                | $\neg$    |                    | _        | $\top$ | T      |          |   |       | 104      |          | コ      |    |          | T      |        | ヿ         | 十        | 7         |
|          | 5        | フ  | П             |  | П  |          |  |          | $\neg$          |          |          | 55       |          | $\neg$         | $\neg$    | $\top$             |          | $\top$ | Т      |          |   |       | 105      |          |        |    |          |        |        | ヿ         | 丁        |           |
|          | 6        | ī  | П             |  | П  |          |  |          | $\neg$          | 7        |          | 56       | П        | 一门             |           | 7                  | 十        |        | 1      |          |   |       | 106      |          |        |    |          | $\neg$ | 寸      | ヿ         | 丁        | ٦         |
|          | 7        | H  |               |  |  |          |  |          | 十               | 7        |          | 57       | П        | 一              | $\exists$ | 7                  | 1        | 1      | 1      |          |   |       | 107      |          |        |    |          |        | $\neg$ | 寸         | $\neg$   | 7         |
|          | 8        | 1  | П             |  | П  |          |  | $\Box$   | 寸               | ヿ        |          | 58       | П        | 寸              | $\neg$    | _                  | _        | $\top$ | 1      | $\vdash$ |   |       | 108      |          |        |    |          |        | コ      | 寸         | 十        | 7         |
|          | 9        | H  | М             |  | Н  |          |  | $\dashv$ | -t              | ٦.       |          | 59       |          | $\neg$         | $\neg$    |                    | ╅        | 1      |        |          |   |       | 109      |          |        |    |          | 一      | 目      | ヿ         | $\top$   | 7         |
|          | 10       | H  | П             |  | П  |          | _  |          |                 | ┫        |          | 60       |          | ヿ              | 寸         | 7                  |          |        | 1      |          |   |       | 110      |          | $\neg$ |    |          |        | T      | ヿ         | $\neg$   | ╗         |
|          | 11       | H  |               |  | П  |          |  |          |                 | ┫        | -        | 61       | П        |                | 1         | ┪                  | _        | _      | 1      |          |   |       | 111      | $\Box$   | $\neg$ |    |          | $\neg$ | $\neg$ | ヿ         | $\neg$   | 7         |
|          | 12       | H  | Н             | _  | Н  |          |  | П        |                 | ┪        |          | 62       | П        | 一              | 十         | $\dashv$           |          | +-     | 1      | $\vdash$ |   |       | 112      |          | $\neg$ |    |          |        | ヿ      | ヿ         | 寸        | ヿ         |
|          | 13       | H  | Н             | _  | Н  | П        |  | Н        | <u>_</u> _      | ┪        |          | 63       | П        | 寸              | 寸         | $\dashv$           |          | 1      | 1      | T        |   |       | 113      |          |        |    |          |        |        | 寸         | 一十       | ヿ         |
| $\Box$   | 14       | <u> </u>   |               |  |  |          |  | П        |                 | -        |          | 64       | П        | 一              | 寸         | $\dashv$           | 十        | ╅      | 1      | T        |   |       | 114      |          |        |    |          |        |        | ヿ         | 十        | $\neg$    |
|          | 15       | 7  |               | _  |  |          |  | $\Box$   | $\dashv$        | ᅱ        |          | 65       |          | $\neg \dagger$ | $\dashv$  | Ť                  | 十        | +      | T      | 1-       |   |       | 115      |          |        |    |          |        | $\neg$ | ヿ         | ヿ        | ┑         |
|          | 16       | Ť  |               | _  |  | П        |  |          |                 | 1        | <b></b>  | 66       |          |                | _         | $\overline{\cdot}$ | 1        | 1      | 1      | T        |   |       | 116      | $\neg$   |        |    |          |        |        | $\neg$    | 寸        | ヿ         |
| -        | 17       | H  | H             |  | Н  |          |  |          | $\neg$          | ┪        |          | 67       | П        |                | $\dashv$  | $\top$             | 十        | 十一     | $\top$ |          |   |       | 117      |          |        |    |          |        |        | 寸         | $\neg$   | ヿ         |
| $\vdash$ | 18       | Н  | H             |  |  | Н        | $\neg$   |          | $\dashv$        | _        |          | 68       | Н        | $\neg$         | $\dashv$  |                    | _        | +      | 1      |          | i |       | 118      |          |        |    |          |        | 一      | 寸         | 寸        | ヿ         |
| -        | 19       | 1  |               | _  |  | Н        |  |          | $\neg +$        | $\dashv$ |          | 69       | Н        |                | 7         | $\top$             | $\top$   | +      | 1      | <b>†</b> | i |       | 119      |          |        |    |          |        | $\neg$ | 寸         | 寸        | ヿ         |
|          | 20       | H  |               | _  | Н  | Н        | -  |          | $\neg \dagger$  | $\dashv$ |          | 70       | Н        |                | _         | $\top$             | $\dashv$ | 十      | $\top$ | 1        | i |       | 120      |          |        |    |          |        |        | 寸         | 十        | ヿ         |
| -        | 21       | 1  |               | _  |  | Н        |  |          | $\dashv$        | $\dashv$ |          | 71       | П        |                | 7         | $\top$             | 十        | 1      | $\top$ | $\vdash$ | i |       | 121      |          |        |    |          | $\neg$ | $\neg$ | 寸         | $\dashv$ | ヿ         |
|          | 22       | #  |               | _  | -  |          | -  |          | $\dashv$        | ㅓ        | $\vdash$ | 72       | H        |                | 寸         | $\top$             | 十        |        | 1      |          | i |       | 122      |          | $\neg$ |    |          |        |        | 寸         | 十        | ヿ         |
|          | 23       | 1  | $\vdash$      | _  |  |          |  |          | _               | _        |          | 73       | Н        |                | $\dashv$  | 十                  | +        |        | 1      | T        | ĺ |       | 123      |          |        |    |          |        |        | $\neg$    | $\neg$   | ┑         |
|          | 24       | 1  | $\vdash$      | _  |  |          |  |          | -               | -        |          | 74       | Н        |                | $\dashv$  | $\dashv$           | $\neg$   | _      | 1      |          |   |       | 124      |          |        | _  | П        | $\neg$ |        | $\neg$    | $\dashv$ | ヿ         |
|          | 25       | ╁  | <del> -</del> | _  | $\vdash$   |          |  | Н        | $\dashv$        | _        |          | 75       | Н        |                | 寸         | $\dashv$           | _        | ╅      | +      | 1        | 1 |       | 125      |          | _      |    |          |        |        | $\dashv$  | $\dashv$ | ┨         |
| _        | 26       | H  |               | _  | <del>                                     </del> |          |  | $\Box$   | $\dashv$        | _        |          | 76       |          |                | $\neg$    | 7                  | $\top$   | _      | 1      |          | 1 |       | 126      |          |        |    |          |        |        | 寸         | 寸        | ┑         |
| <b> </b> | 27       | +  |               | _  | $\vdash$   | Н        |  | Н        | +               | _        |          | 77       | Н        | $\neg$         | $\neg$    | $\dashv$           | $\top$   | 十      | ✝      | $\vdash$ | 1 |       | 127      |          |        |    |          |        |        | コ         | ヿ        | ヿ゙        |
|          | 28       | +  | Н             |  | Н  |          |  |          |                 | $\dashv$ |          | 78       |          |                | 寸         | ┪                  | _        | $\top$ | 1      |          | 1 |       | 128      |          |        |    |          |        |        | $\neg$    | $\neg$   | 7         |
|          | 29       | T  | $\vdash$      |  |  |          |  |          | $\neg$          | $\dashv$ |          | 79       | Н        |                | 7         | 寸                  | _        | $\top$ | 1      | $\vdash$ | 1 |       | 129      |          |        |    |          |        |        | $\neg$    | $\neg$   | 7         |
|          | 30       | 1  |               |  | $\vdash$   |          |  |          | $\neg \uparrow$ | _        |          | 80       |          | T              | $\dashv$  | $\dashv$           | $\dashv$ | 1      | $\top$ | 1        | 1 |       | 130      | П        | $\neg$ |    |          |        |        | $\neg$    | 寸        | ヿ         |
|          | 31       | Ė  | H             |  | İ  | П        |  |          | $\neg$          | $\neg$   |          | 81       |          | $\dashv$       | 寸         | _                  | $\top$   | 十      | ╁      | T        | 1 |       | 131      |          |        |    |          |        |        | $\exists$ | 寸        | ヿ         |
|          | 32       | -  |               | _  | 1  |          |  |          | _               | _        |          | 82       |          | $\Box$         | 7         | 1                  | $\top$   | ╅      | +-     | 1        | 1 |       | 132      |          |        |    |          |        |        | $\neg$    | $\neg$   | 7         |
|          | 33       |  | <b>†</b>      |  | T  |          | _  |          | $\neg$          |          |          | 83       | T        | $\neg$         | 7         | $\top$             | 十        | 十一     | +      | 1        | 1 |       | 133      |          |        |    |          |        |        | $\neg$    |          | ╗         |
|          | 34       |  |               |  | 1  | $\vdash$ |  |          |                 |          |          | 84       | $\vdash$ |                | ヿ         | 寸                  | 十        | ┰      | Т      | 1        | 1 |       | 134      |          |        |    |          |        |        |           | $\neg$   | $\neg$    |
|          | 35       |  | <b>-</b>      | $\vdash$   |  |          |  | П        | $\neg$          | _        |          | 85       |          | T              | 寸         | T                  | T        |        |        |          | 1 |       | 135      |          |        |    |          |        |        | $\neg$    | 寸        | $\neg$    |
|          | 36       |  | _             |  | l  |          |  |          | T               |          |          | 86       |          | T              | 寸         |                    |          | $\top$ | T      | 1        | 1 |       | 136      |          |        |    |          |        |        |           | T        | ヿ         |
|          | 37       |  |               |  |  |          |  |          | $\dashv$        | $\neg$   |          | 87       |          | $\Box$         | $\dashv$  | $\dashv$           | $\top$   | 1      | 1      | $\top$   | 1 |       | 137      |          |        |    |          | П      |        | 一         | $\dashv$ | ヿ         |
|          | 38       |  |               |  |  |          |  |          |                 | 7        |          | 88       | Г        |                | 寸         | $\Box$             |          | _      |        |          | 1 |       | 138      |          |        |    |          |        |        |           | $\neg$   |           |
|          | 39       | ┱  |               | _  |  |          |  |          |                 | ┥.       |          | 89       |          |                | 寸         | $\neg$             | _        | _      | $\top$ |          | 1 |       | 139      |          |        |    |          |        |        |           | ヿ        | 7         |
|          | 40       | 1  |               |  |  |          |  |          |                 | 7        |          | 90       |          |                |           |                    |          |        | 1-     |          | 1 |       | 140      |          |        |    |          |        |        |           | $\neg$   |           |
|          | 41       | ┰  | Г             |  | T  |          |  | П        | $\neg$ †        |          |          | 91       |          | П              | $\neg$    | 寸                  | T        | $\top$ | T      | İ        | 1 |       | 141      | П        |        |    | Г        |        |        | $\Box$    | $\neg$   | $\neg$    |
|          | 42       | Т  | $\vdash$      |  |  |          |  | П        |                 | $\neg$   |          | 92       | Г        | $\Box$         | $\dashv$  | 十                  | $\dashv$ | $\top$ |        | T        | 1 |       | 142      | П        |        |    |          |        |        | $\dashv$  | $\dashv$ | $\neg$    |
|          | 43       |  | T             |  | 1  |          | Г  | М        | $\dashv$        | $\dashv$ |          | 93       | Т        | $\vdash$       | _         | $\dashv$           | $\dashv$ | $\top$ | $\top$ | 1        | 1 |       | 143      | П        |        | Г  |          |        | П      | $\sqcap$  | $\dashv$ | ヿ         |
|          | 44       | <del>                                     </del> | T-            | T-   | ١.   | П        | Т  |          | _               | $\dashv$ |          | 94       | Г        |                | $\dashv$  | $\dashv$           | $\top$   | 1      | 1      | 1        | 1 |       | 144      | П        |        |    | Γ        |        |        | 一         | $\dashv$ | $\exists$ |
| <b> </b> | 45       |  | Т             |  |  | Г        | Г  | П        | $\Box$          | $\neg$   |          | 95       | Г        | $\Box$         | _         | _                  | 7        | 1      | T      | T        | 1 |       | 145      | П        |        |    |          |        |        | $\sqcap$  | 寸        | $\neg$    |
|          | 46       | 1  | T             | $\vdash$   | $\vdash$   | $\vdash$ | <u> </u>   | $\vdash$ | $\dashv$        | $\dashv$ | <u> </u> | 96       | Т        | $\sqcap$       | 一         | _                  | $\dashv$ | 1      | 1      | T        | 1 |       | 146      |          | -      | 1  |          |        |        | П         | 寸        | $\neg$    |
|          | 47       | $\vdash$   | T             | $\vdash$   |  | Г        | Г  | П        | $\dashv$        | $\dashv$ |          | 97       |          |                | 7         | $\dashv$           | 1        | 1      | 1      | 1        | 1 |       | 147      | П        |        | -  | <u> </u> |        | П      | 一         | $\dashv$ | ヿ         |
|          | 48       | <b>!</b>   | T             | <del>                                     </del> | T  | Т        |  | $\vdash$ | $\vdash$        | $\neg$   |          | 98       |          |                |           | 十                  | +        | $\top$ | 1      | 1        | 1 |       | 148      | П        |        |    |          |        |        | $\sqcap$  | $\dashv$ | $\neg$    |
|          | 49       | t  | Г             | $\vdash$   | $\vdash$   |          | <del>                                     </del> | П        | $\dashv$        | $\dashv$ |          | 99       |          | H              |           | $\dashv$           | 十        | $\top$ | $\top$ | 1        | 1 |       | 149      | $\vdash$ |        |    | Ι_       |        | П      | $\sqcap$  | $\dashv$ | ヿ         |
|          | 50       | T  | 1             | <del>                                     </del> | $\vdash$   | П        | Г  |          | $\dashv$        | $\dashv$ |          | 100      | T        | $\vdash$       | _         | $\dashv$           | $\top$   | $\top$ | $\top$ | T        | 1 |       | 150      | П        |        |    | <u> </u> |        |        | 一         | $\dashv$ | $\dashv$  |
| L        | 50       | <u> </u>   |               | <u> </u>   | Ц  |          | _  |          |                 |          | Ь        | 1100     | <u> </u> | Ш              |           |                    |          |        |        |          | J |       | 130      |          | L      | L_ | <u> </u> | Щ.     | L.     | لـــا     |          |           |